AUTODOC CLUB

How to change front brake pads on **MERCEDES-BENZ E-Class Saloon (W212)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

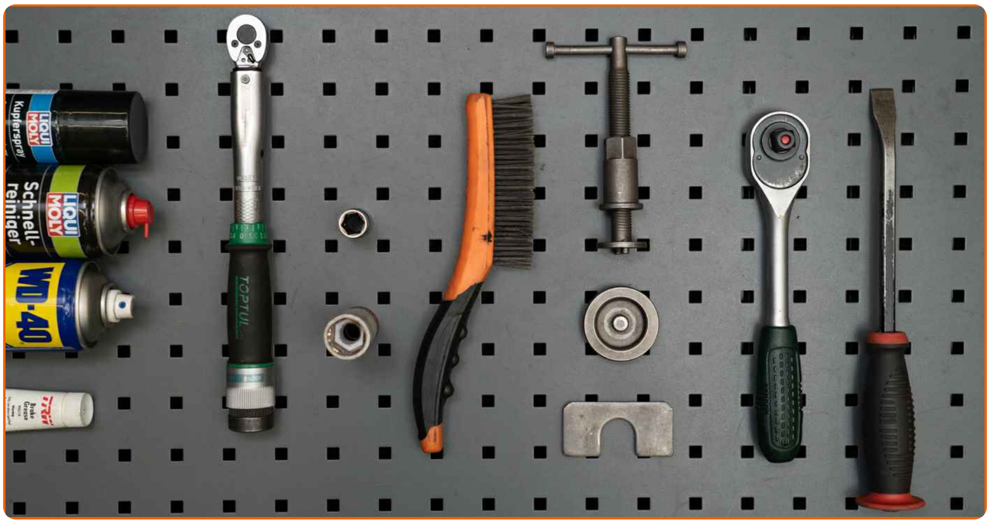
Important!

This replacement procedure can be used for:
MERCEDES-BENZ E-Class Saloon (W212) E 200 NGT (212.041), MERCEDES-BENZ E-Class Saloon (W212) E 200 (212.034), MERCEDES-BENZ E-Class Saloon (W212) E 250 CGI (212.047, 212.147), MERCEDES-BENZ E-Class Saloon (W212) E 220 CDI / BlueTEC (212.001, 212.002), MERCEDES-BENZ E-Class Saloon (W212) E 250 CDI / BlueTEC (212.003, 212.004), MERCEDES-BENZ E-Class Saloon (W212) E 200 CDI / BlueTEC (212.005, 212.006), MERCEDES-BENZ E-Class Saloon (W212) E 200 CGI (212.048, 212.148), MERCEDES-BENZ E-Class Saloon (W212) E 220 CDI, MERCEDES-BENZ E-Class Saloon (W212) E 200 NGT (212.035), MERCEDES-BENZ E-Class Saloon (W212) E 220 BlueTEC (212.001), MERCEDES-BENZ E-Class Saloon (W212) E 180 (212.040)

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: MERCEDES-BENZ C-Class Saloon (W204) C 220 CDI (204.008)

REPLACEMENT: BRAKE PADS – MERCEDES-BENZ E-CLASS SALOON (W212). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Electronic spray
- Brake cleaner
- Anti-squeal paste
- Ceramic grease
- Torque wrench
- Combination spanner #17
- Drive socket # 13
- Wheel impact socket #17
- Ratchet wrench
- Long nose pliers
- Brake caliper wind back tool
- Crow bar
- Wheel chock

Buy tools

Replacement: brake pads – MERCEDES-BENZ E-Class Saloon (W212). Tip from AUTODOC experts:

- Perform the replacement of brake pads in complete set for each axis. This provides effective braking.
- The replacement procedure is identical for all brake pads on the same axle.
- Please note: all work on the car – MERCEDES-BENZ E-Class Saloon (W212) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the bonnet. Unscrew the brake fluid reservoir cap.

2 Secure the wheels with chocks.

3 Loosen the wheel mounting bolts. Use wheel impact socket #17.



4 Raise the car.

Replacement: brake pads – MERCEDES-BENZ E-Class Saloon (W212). Tip from AUTODOC:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

5 Unscrew the wheel bolts. Use wheel impact socket #17.



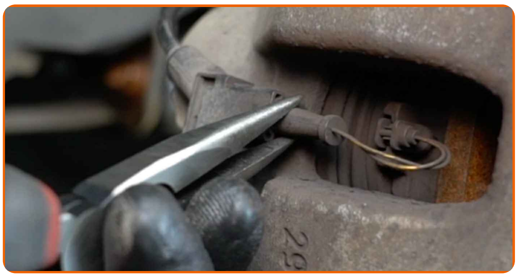
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. MERCEDES-BENZ E-Class Saloon (W212)

6 Remove the wheel.



7 Detach the connector of the brake pad wear sensor. Use long nose pliers.



8 Spread the brake pads. Use a crowbar.

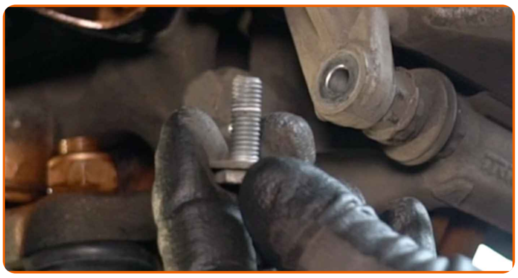


9 Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.

10 Unscrew the brake caliper fasteners. Use a combination spanner #17. Use a drive socket #13. Use a ratchet wrench.



11 Remove the fastening bolts.



12

Remove the brake caliper.



Replacement: brake pads – MERCEDES-BENZ E-Class Saloon (W212). Tip from AUTODOC:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.

13

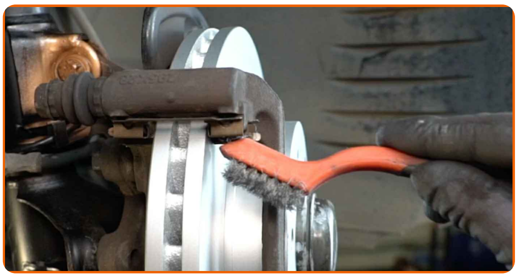
Remove the brake pads.



Replacement: brake pads – MERCEDES-BENZ E-Class Saloon (W212). Tip:

- Measure the brake disc thickness. Upon reaching the wear limit the part must be replaced.

14 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake pads – MERCEDES-BENZ E-Class Saloon (W212). After applying the spray, wait a few minutes.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

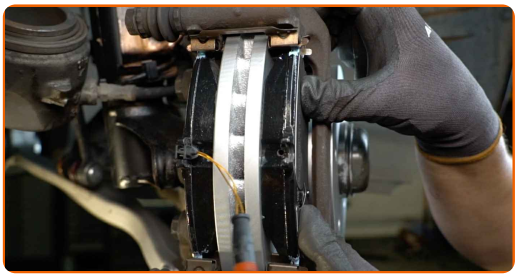
15 Treat the brake pads in the area where their surface comes into contact with the brake caliper bracket. Use anti-squeal paste.



AUTODOC recommends:

- Make sure the disc surface is clean before installing the pads.

16 Install new brake pads.



17 Treat the brake caliper piston. Use a nylon cleaning brush. Use a brake cleaner.



AUTODOC recommends:

- After applying the spray, wait a few minutes.

18 Press in the brake caliper piston. Use brake caliper wind back tool.



19 Install the brake caliper and fix it.



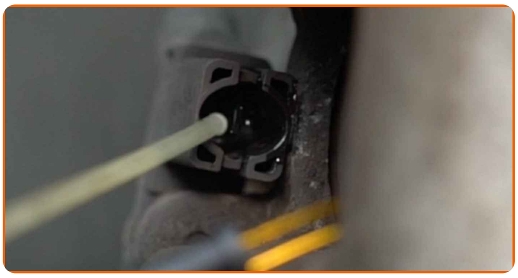
20 Install the fastening bolts.



21 Tighten the brake caliper fasteners. Use a combination spanner #17. Use a drive socket #13. Use a torque wrench. Tighten it to 34 Nm torque.



22 Treat the brake pad wear sensor plug. Use dielectric grease.



23 Attach the connector of the brake pad wear sensor.



24 Clean the wheel rim mounting seat. Use a wire brush.



25 Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.



26 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- After applying the spray, wait a few minutes.

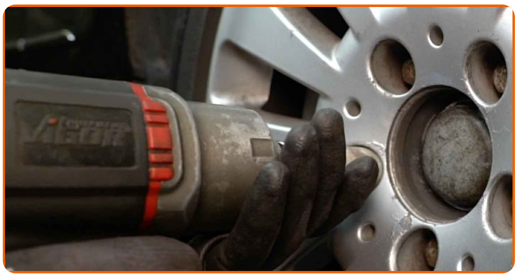
27 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. MERCEDES-BENZ E-Class Saloon (W212)

28 Screw in the wheel bolts. Use wheel impact socket #17.



29 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 130 Nm torque.



30 Remove the jacks and chocks.



AUTODOC recommends:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.
- Check the brake fluid level in the expansion tank and refill if necessary.

31 Tighten the brake fluid reservoir cap. Close the hood.



Replacement: brake pads – MERCEDES-BENZ E-Class Saloon (W212). Tip from AUTODOC:

- Slow down smoothly for first 150-200 km after the brake pads replacement. Avoid unneccessary and sharp braking to a stop.

WELL DONE!

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